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NOTES FOR DESIGNER: (DO NOT INCLUDE ON CONSTRUCTION DRAWINGS)																																																							
<div><div><div>1. WHEN EDITING DETAIL TO SUIT PROJECT, ADD JOB SPECIFIC REQUIREMENTS AND DELETE ONLY THOSE PORTIONS THAT DO NOT APPLY. TO SEEK A VARIANCE FROM APPLICABLE REQUIREMENTS, CONTACT THE ESM MECHANICAL POC.</div><div>2. SIZE CONDENSATE BRANCH LINE NO SMALLER THAN THE TRAP INLET. MINIMUM SIZE IS 3/4".</div><div>3. USE TWO PRV'S IN SERIES WHEN THE TOTAL REDUCTION IN PRESSURE IS MORE THAN A 10 TO 1 RATIO OF THE GAUGE PRESSURE. SEE SHEET 2. SET THE FIRST PRV AT APPROXIMATELY 60 PSIG AND THE SECOND AS REQUIRED.</div><div>4. USE TWO PRV'S IN PARALLEL WHEN THE LOAD DEMANDS FLUCTUATE THROUGH A WIDE RANGE. SEE SHEET 3.</div><div><div>A. WHEN SPLIT BETWEEN LOADS IS UNKNOWN, SELECT VALVES WITH CAPACITIES OF 1/3 AND 2/3 OF THE MAXIMUM LOAD WITH THE SMALLER VALVE SET AT 2 PSIG HIGHER THAN THE LARGER VALVE. (AS THE LOAD INCREASES, THE PRESSURE DROPS AND THE LARGER VALVE OPENS).</div><div>5. RELIEF VALVE SETTINGS (PER 2000 ASHRAE SYSTEMS HANDBOOK, PAGE 10.10)</div><div><div>A. REDUCED PRESSURE UNDER 35 PSI: SET RELIEF VALVE AT LEAST 5 PSI HIGHER THAN REDUCED PRESSURE.</div><div>B. REDUCED PRESSURE ABOVE 35 PSI: SET RELIEF VALVE AT LEAST 10 PSI HIGHER THAN REDUCED PRESSURE.</div><div>6. BYPASS AROUND PRV SHALL BE EQUAL TO THE PIPING SIZE INTO PRV.</div><div>7. MOISTURE SEPARATOR SHALL BE LINE SIZE. INSTALL ONLY IN BUILDING STEAM SUPPLY LINE TO BUILDING.</div><div><div>A. MINIMUM BUILDING SUPPLY LINE SIZE 2 1/2"</div><div>B. TRAP SIZE AND CONDENSATE PIPING SIZE SHALL BE THE SAME SIZE AS THE MOISTURE SEPARATOR DRAIN PORT. MINIMUM SIZE 3/4".</div></div></div></div><div><div>8. REFER TO THE FOLLOWING LANL STANDARDS FOR ADDITIONAL REQUIREMENTS:</div><div><div>A. SPEC 15121, STEAM AND CONDENSATE SPECIALTIES (BLDG).</div><div>B. SPEC 15181, STEAM AND CONDENSATE PIPING (BLDG).</div><div>C. SPEC 02554, STEAM AND CONDENSATE DISTRIBUTION (SITE).</div><div>9. COMPLY WITH ASME B31.1 POWER PIPING. DESIGN STEAM PIPING FOR 150 PSIG AND 500 DEGREES F. DESIGN CONDENSATE PIPING FOR 250 DEGREES F.</div></div></div></div></div>																																																							
<div>DRAWING DEVELOPED FOR ML-3/ML-4 PROJECTS. FOR ML-1/ML-2, ADDITIONAL REQUIREMENTS AND QA REVIEWS ARE REQUIRED. (REMOVE THIS NOTE WHEN INSERTED INTO A DRAWING PACKAGE).</div>																																																							
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